

# CLAIMS

1. An adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen, the adsorbent comprising a tryptophan derivative and a  
5 polyanionic compound which are immobilized on a water-insoluble porous carrier, wherein the amount of the immobilized polyanionic compound is 0.10  $\mu\text{mol}$  to 1.5  $\mu\text{mol}$  per milliliter of wet volume of the adsorbent, and the molar ratio of the amount of the immobilized tryptophan derivative  
10 to the amount of the immobilized polyanionic compound is 1 to 70.

2. The adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen according to claim 1, wherein the polyanionic compound is dextran  
15 sulfate.

3. The adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen according to claim 1 or 2, wherein the tryptophan derivative is tryptophan.

20 4. The adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen according to any one of claims 1 to 3, wherein the water-insoluble porous carrier is a cellulose carrier.

5. The adsorbent capable of whole blood treatment for  
25 adsorbing low-density lipoproteins and fibrinogen according

to any one of claims 1 to 4, wherein the water-insoluble porous carrier has a molecular weight exclusion limit of  $5 \times 10^5$  to  $1 \times 10^8$  for globular proteins.

6. A method for adsorbing low-density lipoproteins and fibrinogen from a body fluid, the method comprising bringing the adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen according to any one of claims 1 to 5 into contact with a body fluid containing low-density lipoproteins and fibrinogen.

7. An adsorber capable of whole blood treatment for absorbing low-density lipoproteins and fibrinogen, the adsorber comprising a container having a fluid inlet, a fluid outlet, and means for preventing an outflow of an adsorbent to the outside, wherein the container is filled with the adsorbent capable of whole blood treatment for adsorbing low-density lipoproteins and fibrinogen according to any one of claims 1 to 5.

8. The adsorber capable of whole blood treatment for absorbing low-density lipoproteins and fibrinogen according to claim 7, wherein the capacity of the adsorber is 100 ml to 400 ml.